

EWC Lift Systems, Ltd.

Warnings, User's Manual
and Warranty Conditions
for EWC Lifts - Models 500S,
800M, 1000B and HSNF.

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EWC Lift System, Models 500S, 800M, 1000B, and HSNF

Capacity:	500 lbs.(Model 800M—800 lbs.; 1000B—1000 lbs.)
Line Speed:	16.5 feet/minute
Lifting Cord Length:	20 feet
Motor:	1 1/8 horsepower, 3400 RPM
Power Supply:	110 Volts AC, 850 Watts 8 Amp, Single Phase, 60 Hz
Remote Switch:	32" to 48" length
Power Cord:	Double Insulated 3-prong grounded medical grade plug (HSNF unit only)

Save this Manual

You will need this manual for the safety warning and cautions, operating procedures and maintenance procedures. Keep your invoice with this manual.

Notice

The Warnings, Cautions, and Instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

The EWC Lift System

SAFETY, WARNING AND CAUTIONS

WARNING: When using powered equipment, basic safety precautions should always be followed to reduce the risk of personal injury and hazards.

- Unit 500S has a 500 lb. lifting capacity. Unit 800M has a lifting capacity of 800 lbs. Unit 1000B has a lifting capacity of 1000 lbs. Never lift any person over the weight limit of your system. Never lift more than the maximum sling capacity. Doing so may cause injury to the person or damage to the lift system.
- The nylon lift cord attached to the lift must be inspected daily. Do not use lift if cord shows sign of wear.
- Do not replace lift cord. This is not a standard rope. The cord should only be replaced by an EWC Lift Systems Technician.
- This lift system is designed to be used with a sling or other lifting device. Slings suitable for use include the brands Hoyer, Invacare, Drive, Probasics, Caregaurd, Gaurdian, Sunrise, and Guldmann. Standard polyester slings used for weighing, transfer and toileting are suitable as well as nylon mesh bathing slings. Most cases have had success using a four point sling. Please see list included at the end of this manual.
- Inspect any sling or lifting device attached to the lift system, daily, for tears, abrasions and worn or non-secure areas. Avoid using the lift system until any such sling or lifting device has been repaired or replaced.
- Be sure the power cord and control handle cord are in good condition. Inspect daily. Avoid using in wet conditions, or exposing the electrical components of the lift system to moisture.
- Route the power cord so that it is out of the way of other tools and equipment. Take care to prevent damage to the power cord or control handle cord. If either cord becomes damaged have repairs made by qualified personal before using the lift system.
- Stay clear of lift cord during operation. Keep clothing, jewelry, hair and hands clear of lift cord during operation. Be certain the person being lifted is free and clear of any nearby possible obstructions.
- Never stand underneath a person being lifted.
- KEEP AREA IN WHICH THE LIFT SYSTEM IS LOCATED CLEAN. Cluttered areas invite injuries.
- KEEP CHILDREN AWAY. Children must never be allowed to handle any part or operate the lift system.
- STRANGULATION HAZARD. All slings and other hanging parts of the system must be kept out of the reach of children and others who may become tangled in them. Slings and other hanging parts can present a hazard of strangulation, and should never be looped around the neck or head.
- DO NOT FORCE THE SYSTEM. The lift system will do its job more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the systems capacities.
- USE THIS LIFT SYSTEM ONLY FOR THE FUNCTION WHICH IT WAS DESIGNED TO PERFORM. The lift system was designed to perform the function of moving an immobile person.

Never use the lift system for a purpose for which it was not intended.

The EWC Lift System

USE

The EWC Lift System is used to aid in the transfer of an immobile person due to a variety of medical conditions.

This manual covers use of the EWC Lift System ONLY. Please read and follow the sling and/or gait belt manufacturers directions for the actual placement of the device on a patient to be lifted with the EWC Lift System.

The EWC Lift System is a simple system that, when attached properly, can be used to safely move an immobile person with one caregiver. The movement up and down is done with a switch on a hand held controller. The movement around the room is done by simply pulling the 'T-bar' in the direction you wish it to go.

1. Pull 'T-bar' into position over the person to be moved. (the lift will center itself over the person being lifted when the lift is put into motion).
2. Hook the sling loops onto the appropriate hooks on the t-bar. The loops on the sling can vary the strap in length. The loop you choose to use will determine how 'upright' the person being lifted will be in the sling.
3. Push the switch on the hand controller into the up position. The lift will center itself over the person being lifted and remove the slack from the lifting rope.

STOP WHEN THE SLACK IS REMOVED FROM THE ROPE!

Check for proper attachment of sling and that the person to be moved is comfortable. All body parts (arms, legs, hands, etc.) should be out of the way and not obstructing the lift.

4. Push the top side of the switch on the control handle until the person is clear from the object they were on (bed, chair, wheelchair, etc.)
5. Move the person to the location desired by simply pulling and/or pushing on the person or sling gently.
6. When you are directly over the desired location of transfer, push the bottom of the switch on the control handle while guiding the person to the desired position with a gentle push and/or pull.
7. Continue to lower until slack starts to appear in the rope. STOP! Check the positioning of the person moved. If they need to be readjusted simply push the top side of the switch to lift the individual and reposition them as desired.
8. When the person is in the desired position simply push the bottom of the switch on the control handle, only until enough slack is present to disconnect the sling or gait belt.
9. Move the lift by pulling on the 'T-bar' to a position in the room where it is out of the way.

The EWC Lift System

use cont'd

10. Push the top side of the switch on the control handle to raise the 't-bar' high enough so it does not cause a head clearance problem in the room.
11. In the event that power is lost during lifting process, use the provided ratcheting tool to manually lower the patient. Unplug unit prior to using ratchet tool. Insert the tool (item 1) into the labeled opening (photo 2) on the end of the motor cover. Ratchet the tool in a clock wise direction and the patient will lower. Be sure the person is lowered onto a safe surface.



Item 1



Photo 2

You have now been able to safely and easily move an immobile person. With a little practice the

EWC LIFT SYSTEM

will become your 'back saving' companion. You won't be able to imagine being without it, while the people you care for will enjoy the feeling of safety that grows with every use!

The EWC Lift System

Warranty

Provisions for System Defects, Warranties, and Limitation of Remedies and Liability:

1. (a) **Limited Warranty.** EWC Lift Systems ("EWC") warrants to the original Buyer that the EWC System (the "System") shall be free from defects in materials and workmanship for one year after the System is delivered to the Buyer (the "Warranty Period"). This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

(b) **Limitation of Warranties.** THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR OBLIGATIONS, EXPRESSED OR IMPLIED. EWC EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF PERFORMANCE, NONINFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. Any implied warranties found to exist are hereby limited in duration to the Warranty Period. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

(c) **Remedies.** During the Warranty Period, EWC shall replace, repair, or, at EWC's option, refund or credit the price the Buyer paid for any System or part of a System (the "Price") that does not comply with the warranty set forth in Section 1(a). At EWC's request and expense, the Buyer shall return the System or part of the System to be replaced or for which the Price is to be refunded or credited. Returns may be made by written notice sent to EWC at P.O. Box 2186, Battle Ground, Washington 98604, or to the nearest available EWC service facility. EWC's contact telephone number is 360-666-3565. EWC's obligation to refund or credit the Price or replace or repair a System or part of a System pursuant to this Section 1(c) shall not apply to any System that has been subjected to misuse, mishandling, neglect, modification, or unusual physical stress after delivery to the Buyer. All repairs and parts replacements should be undertaken by EWC or other certified and licensed technicians and not by the Buyer. The Buyer assumes all risk and liability arising out of his or her repairs to the System, or arising out of his or her installation of replacement parts.

(d) **Limitation of Remedies and Liability.** BUYER'S SOLE AND EXCLUSIVE REMEDY FOR A SYSTEM THAT DOES NOT COMPLY WITH THE WARRANTY SET FORTH IN SECTION 1(a) SHALL BE REFUND OR REPLACEMENT AS PROVIDED IN SECTION 1(c). IN NO EVENT SHALL EWC BE LIABLE FOR THE COST OF PROCUREMENT OF SUBSTITUTE GOODS, LOSS OF PROFITS, LOSS OF INCOME, OR FOR ANY OTHER SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, HOWEVER CAUSED, EVEN IF EWC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IF THE FOREGOING LIMITATION SHALL BE FOUND INAPPLICABLE FOR ANY REASON, EWC'S LIABILITY UNDER THIS AGREEMENT SHALL NOT EXCEED THE PRICE PAID FOR THE DEFECTIVE SYSTEM. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

(e) **Exclusive Remedy.** THIS SECTION 1 STATES EWC'S SOLE OBLIGATION AND BUYER'S EXCLUSIVE REMEDY FOR SYSTEM DEFECTS. The warranty and remedies are available only to the original Buyer.

(f) **Service Contract.** Following the Warranty Period, and subject to EWC's inspection of the System following the Warranty Period, EWC and the Buyer may enter into a service contract for the System under which EWC may, but shall not be required to, agree to service all or some of the System following the Warranty Period.

The EWC Lift System

EWC Lifts Systems may be used with the following slings and lifting harnesses:

Most of the mentioned sling types come in two types.
Standard use Polyester and Mesh for bathing.

1. - Polyester - standard for lifting for transfers, weighing and toileting. EWC models **500S**, and **HSNF** may be used with sizes small, medium, large and extra-large. Most slings are rated to a weight limit of **450 lbs**. Models **800M**, and **1000B** must be used with **higher limit slings**. See labeling on individual slings for appropriate weight limits.
2. - Nylon Mesh - used for bathing. The same weight limits apply as above.
3. - The following sling brands will each have separate descriptions as to how to place a patient prior to lifting.
The recommendations for each brand should be followed as per the manufacturer.

HOYER

INVACARE

EVERMED

DRIVE

PROBASICS

CAREGAURD

GAURDIAN

SUNRISE

MEDCARE

ARJO

GULDMANN (Upright Harness)

The EWC Lift System

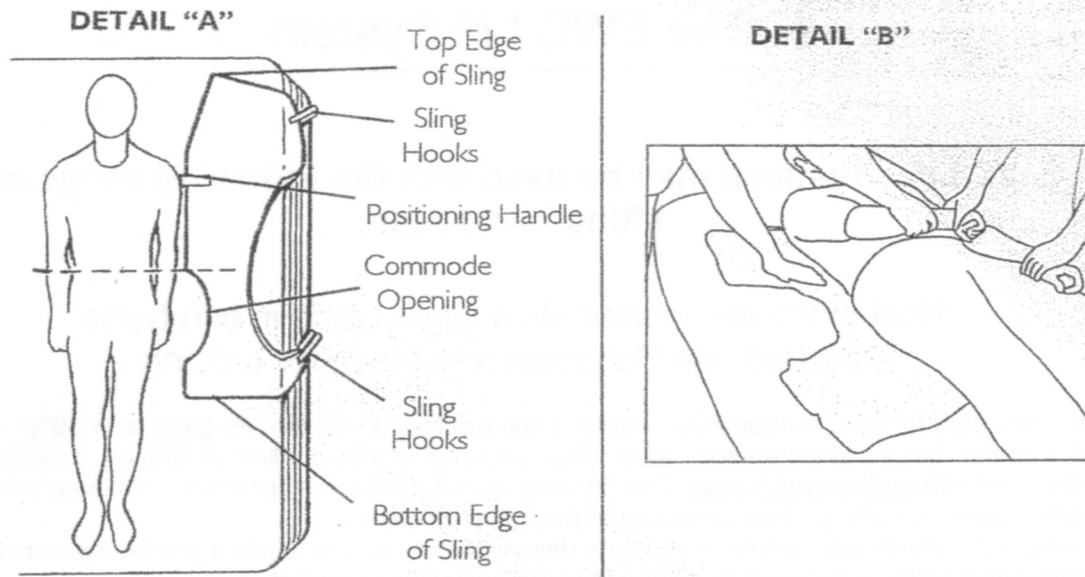


FIGURE 4.3 Positioning the Sling

Positioning the Patient on the Sling

NOTE: For this procedure, refer to FIGURE 4.4 and FIGURE 4.5 on page 17.

NOTE: Although Invacare recommends that two assistants be used for all lifting preparation, transferring from and transferring to procedures, our equipment will permit proper operation by one assistant. The use of one assistant is based on the evaluation of the health care professional for each individual case. Bed rails may be used to minimize patient movements during sling positioning.

1. If the patient is to roll to their left-side, then elevate the patient's right knee until the right foot is flat on the bed. Refer to Detail "A".
2. With an assistant on each side of the bed and up against the mattress, the assistant on the left-hand side of the bed will position his/her right-hand on the elevated knee and his/her left-hand under the patient's right shoulder, slowly push on the knee and assist with a slight lift of the shoulder. The patient will easily roll onto their side.
3. With the patient on their side, push the fabrics of the seat and back gently under them. Refer to Detail "B".

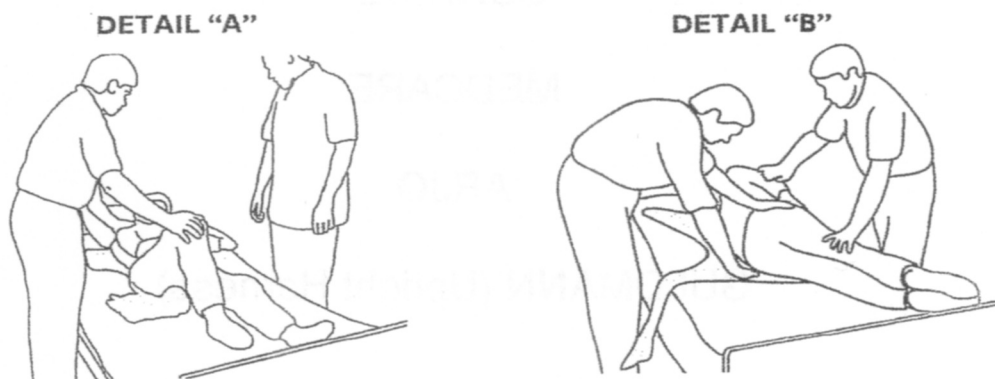


FIGURE 4.4 Rolling Patient Onto His/Her Side

The EWC Lift System

NOTE: The patient's head should be positioned in the headrest just below the top edge for maximum comfort and the lower edge of the seat section positioned a few inches above the back of the patient's knees. Refer to Detail "A" of FIGURE 4.3 on page 16.

4. Roll the patient on to his/her back. Refer to Detail "A" of FIGURE 4.5.

NOTE: Assistants will reverse roles.

5. After the patient has been positioned once again on his/her back, you now need to roll the patient to their right-side (facing the assistant on the left).
6. With an assistant on each side of the bed and up against the mattress, the assistant on the right-hand side of the bed will elevate the left knee and position his/her left-hand on the elevated knee and his/her right-hand under the patient's left shoulder, slowly push on the knee and assist with a slight lift of the shoulder and the patient will easily roll onto their side. Refer to Detail "B" of FIGURE 4.5.
7. Pull the fabrics of the seat and back across the mattress until they are smooth.
8. Roll the patient onto their back and they should be approximately centered on the sling section. Refer to Detail "C" of FIGURE 4.5.
9. Position the lift for use. Refer to Attaching Slings to Lifts on page 21.

NOTE: The lift must be positioned for use before the slings can be attached.



FIGURE 4.5 Rolling Patient Onto His/Her Opposite Side and Back

The EWC Lift System

⚠ WARNING

If the patient is in a wheelchair, secure the wheel locks in place to prevent the wheelchair from moving forward or backwards.

1. The rear wheel locks of the wheelchair are locked to prevent movement of the wheelchair.
2. With the patient sitting in a wheelchair one assistant in the front and the other assistant in the back, lean the patient forward. Refer to Detail "A".

NOTE: The front assistant will be supporting the weight of the patient.

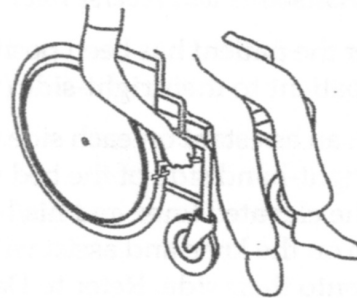


FIGURE 5.2 Rear Wheel Locks

3. Place the divided leg sling behind the patient (with "grab handle" on the outside) and bring the flaps out alongside the patient's legs. Refer to Detail "B".

NOTE: Toileting slings have a waist buckle which helps hold the sling in place during positioning.

NOTE: For the Divided Leg Sling: The back of the sling should be parallel to the patient's upper arms and be positioned between the top of the patient's head and the base of the spine.

NOTE: For the Toileting Sling: The back of the sling should be parallel to the patient's upper arms and be positioned between the top of the patient's midback and the base of the spine.

4. With the back of the sling positioned properly, push the bottom of the back section to the seat.
5. Lean the patient back into the wheelchair with the assistant in the rear supporting his/her weight.
6. Lift the patient's legs (one at a time) and reach under the patient's leg to pull the front of the sling until it is behind the patient's knees (about 3 inches). The back of the sling should remain in position. Refer to Details "C" to "F".

NOTE: The straps may be around, crossed between or underneath the patient's legs. Refer to Detail "G".

7. Position the lift for use. Refer to Attaching Slings to Lifts on page 21.

NOTE: The lift must be positioned for use before the slings can be attached.



FIGURE 5.3 Positioning the Patient in the Divided Leg/Toilet Slings

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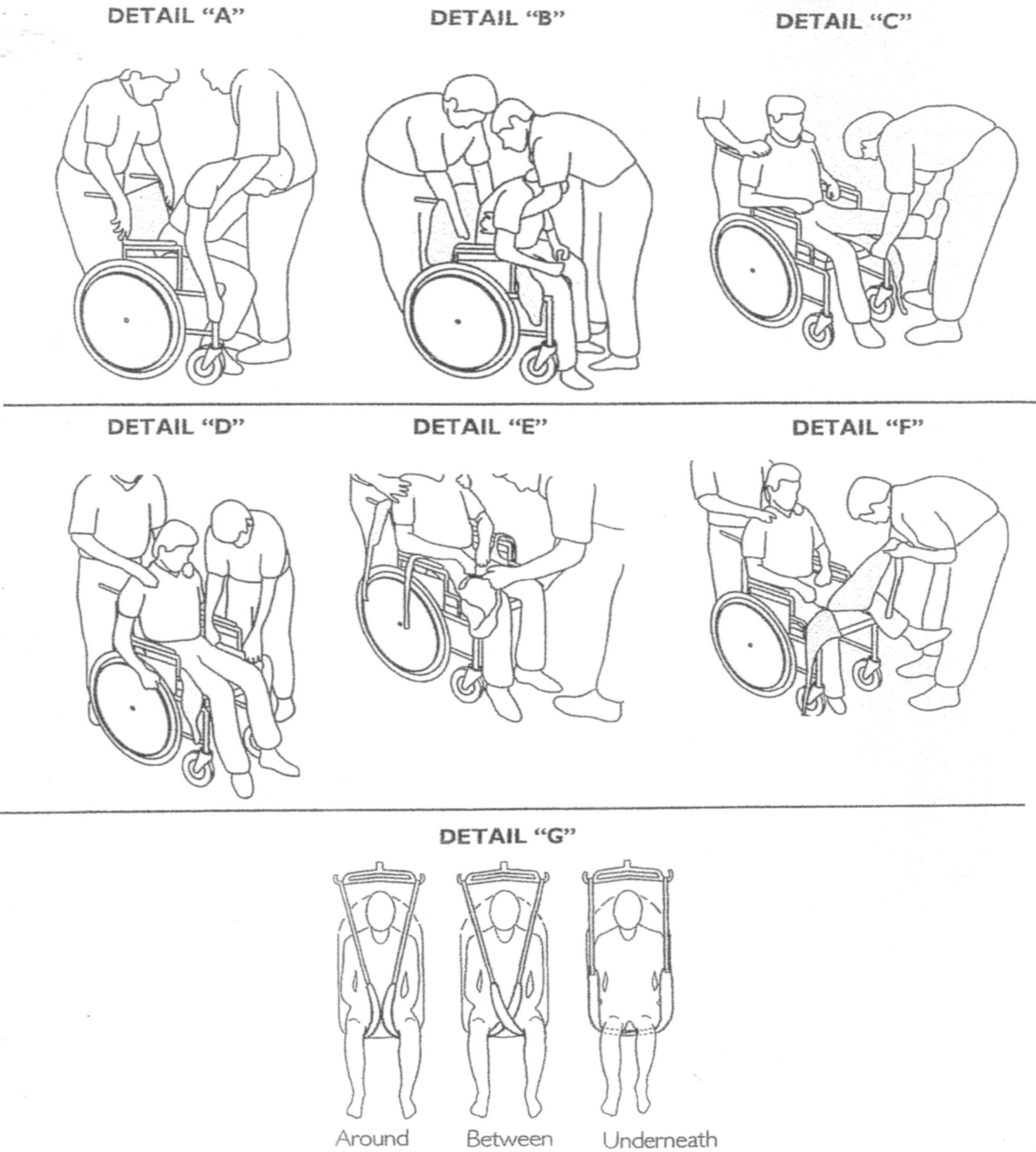


FIGURE 5.4 Positioning the Patient in the Divided Leg/Toilette Slings

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Client information:

Name _____

Address _____

Phone # _____

Case Managers name and # _____

Situation observed by _____

Time _____ Date of observation _____

Other Witnesses _____

Situation reported to _____

Form filled out by _____ Date _____

Details of situation or concerns

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.